

Agilent Ref: 10981612-2  
United States Application Serial No. 09/997,564

## AMENDMENTS

### In The Claims:

Claims 1.-17. (Canceled)

18. (Currently Amended) A ~~polymeric array~~ composition comprising:

a plurality of distinct polymers stably associated with the surface of a substrate, wherein said substrate comprises a plurality of individually activatable resistors associated with said surface, and at least one of said polymers is associated with at least one of said resistors; and

a solvent layer present on said surface, wherein a portion of said substrate surface is ~~[[and-]]~~ selectively protected from ~~[[reaction]]~~ reactive agents in said solvent layer by a protective gas bubble.

19. (Currently Amended) The ~~polymeric array~~ composition according to Claim 18, wherein said plurality of resistors are beneath said surface of said substrate.

20. (Currently Amended) A ~~nucleic acid array~~ composition comprising:

a plurality of nucleic acid spots stably associated with the surface of a substrate, wherein said substrate comprises a plurality of individually activatable resistors beneath said surface and at least one of said nucleic acid spots is associated with at least one of said resistors; and

a solvent layer present on said surface, wherein a portion of said substrate surface is ~~[[and-]]~~ selectively protected from ~~[[reaction]]~~ reactive agents in said solvent layer by a protective gas bubble.

Claims 21-23 (Canceled)

Claims 24. - 27. (Canceled)

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28. **(Currently Amended)** The ~~polymeric-array~~ composition according to Claim 18, wherein said polymers are nucleic acids.

29. **(Currently Amended)** The ~~polymeric-array~~ composition according to Claim 18, further comprising an electrical current application means associated with said resistors.

30. **(Currently Amended)** The ~~polymeric-array~~ composition according to Claim 29, further comprising an electrical current controlling means associated with said electrical current application means.

Claims 31 to 33 (Cancelled).

34. **(Currently Amended)** The ~~polymeric-array~~ composition according to Claim 20 ~~[[31]]~~, further comprising an electrical current application means associated with said resistors.

35. **(Currently Amended)** The ~~polymeric-array~~ composition according to Claim 34, further comprising an electrical current controlling means associated with said electrical current application means.